GP/1633

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))	Docket No. 1002.00011

In Re Application Of: **Chaparian et al.**

Serial No.	Filing Date	Examiner	Group Art Unit
10/049,994	02/18/02		1633

Title: **GENE CLONING**

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

   ☐ the statement specified in 37 CFR 1.97(e);

   OR

   ☐ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))	Docket No. 1002.00011

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10/049,994	02/18/02		1633

GENE CLONING

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Dated: April 25, 2003

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PTO/SB/08 (2-92)

Sheet 1 of 2

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)	Application Number
1002.00011	10/049,994
Applicant: Michael Chaparian et al.	
Filing Date: 02/18/02	Group Art Unit: 1633

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,666,828	05/19/87	Gusella			08/15/84
	4,683,202	07/28/87	Mullis			10/25/85
	4,801,531	01/31/89	Frossard			09/30/85
	5,192,659	03/09/93	Simons			07/11/90
	5,272,057	12/21/93	Smulson et al.			10/14/88
	5,521,077	05/28/96	Khosla et al.			04/28/94
	5,728,561	03/17/98	Denoya			06/07/95

FOREIGN PATENT DOCUMENTS

	DOCKET NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date Pertinent Pages, Etc.)*

		Ausubel et al., *Current Protocols in Molecular Biology*, John Wiley and Sons, Baltimore, Maryland (1989)
		Burke and Olson, Preparation of Clone Libraries in Yeast Artificial-Chromosome Vectors, Methods in Enzymology, Vol. 194, pp. 251-270 (1991).
		Capecchi, "Altering the genome by homologous recombination" Science 244:1288-1292 (1989).
		Cregg JM, Vedvick TS, Raschke WC: Recent Advances in the Expression of Foreign Genes in *Pichia pastoris*, Bio/Technology 11:905-910, 1993
		Davies et al., "Targeted alterations in yeast artificial chromosomes for inter-species gene transfer", Nucleic Acids Research, Vol. 20, No. 11, pp. 2693-2698 (1992).
		Dickinson et al., "High frequency gene targeting using insertional vectors", Human Molecular Genetics, Vol. 2, No. 8, pp. 1299-1302 (1993).
		Duff and Lincoln, "Insertion of a pathogenic mutation into a yeast artificial chromosome containing the human APP gene and expression in ES cells", Research Advances in Alzheimer's Disease and Related Disorders, 1995.
		Gilboa, E, Eglitis, MA, Kantoff, PW, Anderson, WF: Transfer and expression of cloned genes using retroviral vectors. BioTechniques 4(6):504-512, 1986.
		Huston et al, 1991 "Protein engineering of single-chain Fv analogs and fusion proteins" in Methods in Enzymology (JJ Langone, ed.; Academic Press, New York, NY) 203:46-88.
		Huxley et al., "The human HPRT gene on a yeast artificial chromosome is functional when transferred to mouse cells by cell fusion", Genomics, 9:742-750 (1991).

		Innis, Michael A., et al. *PCR Protocols: A Guide To Methods And Applications*, Academic Press, San Diego, CA (1990)
		Jakobovits et al., "Germ-line transmission and expression of a human-derived yeast artificial chromosome", Nature, Vol. 362, pp. 255-261 (1993).
		Johnson and Bird, 1991 "Construction of single-chain Fvb derivatives of monoclonal antibodies and their production in *Escherichia coli* in Methods in Enzymology (JJ Langone, ed.; Academic Press, New York, NY) 203:88-99.
		Lamb et al., "Introduction and expression of the 400 kilobase *precursor amyloid protein* gene in transgenic mice", Nature Genetics, Vol. 5, pp. 22-29 (1993).
		Mernaugh and Mernaugh, 1995 "An overview of phage-displayed recombinant antibodies" in Molecular Methods In Plant Pathology (RP Singh and US Singh, eds.; CRC Press Inc., Boca Raton, FL) pp. 359-365.
		Pearson and Choi, *Expression of the human b-amyloid precursor protein gene from a yeast artificial chromosome in transgenic mice.* Proc. Natl. Acad. Sci. USA, 1993. **90**:10578-82.
		Rothstein, "Targeting, disruption, replacement, and allele rescue: integrative DNA transformation in yeast" in Methods in Enzymology, Vol. 194, "Guide to Yeast Genetics and Molecular Biology", eds. C. Guthrie and G. Fink, Academic Press, Inc., Chap. 19, pp. 281-301 (1991).
		Sambrook et al., *Molecular Cloning: A Laboratory Manual,* Cold Spring Harbor Laboratory Press, New York (1989)
		Schedl et al., "A yeast artificial chromosome covering the tyrosinase gene confers copy number-dependent expression in transgenic mice", Nature, Vol. 362, pp. 258-261 (1993).
		Strauss et al., "Germ line transmission of a yeast artificial chromosome spanning the murine a_1 (I) collagen locus", Science, Vol. 259, pp. 1904-1907 (1993).
		Testoni et al, 1996, Blood 87:3822

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

PTO/SB/ 08 (2-92)
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